



I fca  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David A. Bolt et al.

Serial No: 10/712,627

Filed: November 13, 2003

Group Art Unit: 2184

Title: RELOCATION BATCH PROCESSING  
FOR DISK DRIVES

Docket No: 18504/354

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH  
THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL WITH  
SUFFICIENT POSTAGE AND IS ADDRESSED TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, ON JUNE 22, 2004. (37 CFR  
1.8a)

Janet Byrne

*Janet Byrne*

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, Applicant brings the references listed on the attached Form PTO-1449 to the examiner's attention. 37 C.F.R. § 1.56. These references may be material to examination of the above-identified application. Please do not construe the filing of this information disclosure statement as a representation that applicant has made a search (37 C.F.R. § 1.97(g)), or as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. We are enclosing copies of the foreign patent documents and the non-patent document, as well as a copy of the U.K. Search Report.

This Information Disclosure Statement is being submitted:

- 1. Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office action on the merits, and therefore, Applicant believes no fee is required;
- 2. After the period specified in paragraph (1) hereinabove of this section, but is being filed before the mailing date of either a final action under 37 CFR 1.113, or a notice of

allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and is accompanied by one of the following:

- (a) A statement that either:

- (i) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

OR

- (ii) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement;

OR

- (b) The fee of \$180 for filing of an Information Disclosure Statement as set forth in 37 C.F.R. 1.17(p).

3. After the period specified in paragraph (2) of this section, but is filed on or before payment of the issue fee and is accompanied by both:

- (a) A statement that either:

- (i) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

OR

- (ii) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement;

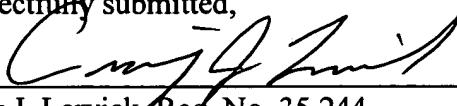
- (b) The fee of \$180.00 for filing of an Information Disclosure Statement as set forth in 37 CFR 1.17(p).

Applicant would appreciate the Examiner initialing and signing a copy of Form PTO-1449, transmitted herewith, indicating that the information has been considered and made of record herein.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 50-1901 referencing order number (18504/354).

Respectfully submitted,

By

  
Craig J. Lervick, Reg. No. 35,244  
Oppenheimer Wolff & Donnelly LLP  
3300 Plaza VII, 45 So. Seventh St.  
Minneapolis, Minnesota 55402  
(612) 607-7387



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002. GMB 059-059  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

|  |                                       |                          |
|--|---------------------------------------|--------------------------|
| SUBSTITUTE FOR FORM 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use several sheets if necessary) | ATTY. DOCKET NO.<br>18504/354         | SERIAL NO.<br>10/712,627 |
|  | APPLICANT<br><br>David A. Bolt et al. |                          |
|  | FILING DATE<br>November 13, 2003      | GROUP<br>2184            |

**U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Cite No. | Document Number | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|----------|-----------------|------------------|---|--|
|                   |          | JP6290547 A     | 10/1994          | Fuji Electric Co Ltd                            | Abstract - Translated  |
|                   |          | JP6208769 A     | 07/1994          | Matsushita Electric Ind Co Ltd                  | "  |
|                   |          | JP60226026 A    | 11/1985          | Nippon Electric Co                              | "  |
|                   |          | JP5094672 A     | 04/1993          | Canon KK  | "  |

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

|                   |          |  |
|-------------------|----------|--|
| Examiner Initials | Cite No. |  |
|                   |          | <i>IBM Technical Disclosure Bulletin</i> , August 1994, US, "Replacement Sector Caching for Optical Disk Drives" |
| EXAMINER          |          | DATE CONSIDERED  |

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.